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Page 1 of 10  
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**To:** Terrell L. McKinnon      **Fax:** 571-273-8300      **Phone:** 571-272-4797  
United States Patent and Trademark Office

**From:** David N. Tran      **Fax:** 408-765-7723      **Phone:** 916-377-3578

**Subject:** Amendment - Application Serial No. 10/749,881

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WILL NOT BE SENT

Application No.: 10/749,881  
Filing Date: December 31, 2003  
First Named Inventor: Eric DiStefano  
Group Art Unit: 3753  
Examiner Name: McKinnon, Terrell L.  
Attorney Docket No.: P18069

Enclosures:

1. Transmittal Form (1 page).
2. Fee Transmittal for FY 2005 (1 page in duplicate).
3. Response to First Office Action (6 pages).

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PTO/SB/21 (09-04)

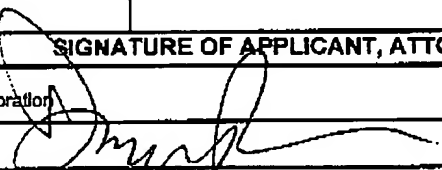
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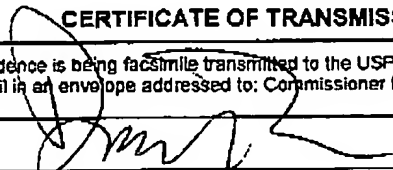
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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/749,881	
	Filing Date	December 31, 2003	
	First Named Inventor	Erlo DiStefano	
	Art Unit	3753	
	Examiner Name	Terrell L. McKinnon	
Total Number of Pages In This Submission	9	Attorney Docket Number	P18069

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ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span>		
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm Name	Intel Corporation	
Signature		
Printed name	David N. Tran	
Date	March 13, 2006	Reg. No. 50,804

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature		
Typed or printed name	David N. Tran	Date March 13, 2006

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PTO/SB/17 (12-04v2)

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) .00

**Complete if Known**

Application Number	10/749,881
Filing Date	December 31, 2003
First Named Inventor	Eric DiStefano
Examiner Name	Terrell L. McKinnon
Art Unit	3753
Attorney Docket No.	P18069

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	0
Design	200	100	100	50	130	65	0
Plant	200	100	300	150	160	80	0
Reissue	300	150	500	250	600	300	0
Provisional	200	100	0	0	0	0	0

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)  
 Each independent claim over 3 (including Reissues)  
 Multiple dependent claims

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
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- 20 or HP =	x	=	0
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HP = highest number of total claims paid for, if greater than 20.

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
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- 3 or HP =	x	=	0
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HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings; under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

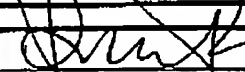
<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
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- 100 =	/ 50 =	(round up to a whole number) x	=	0
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**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

<b>SUBMITTED BY</b>		<b>Registration No.</b>	<b>Telephone</b>
<b>Signature</b>		50,804	916-377-3578
<b>Name (Print/Type)</b>	David N. Tran	<b>(Attorney/Agent)</b>	<b>Date</b> March 13, 2006

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) .00

**Complete if Known**

Application Number	10/749,881
Filing Date	December 31, 2003
First Named Inventor	Eric DiStefano
Examiner Name	Terrell L. McKinnon
Art Unit	3753
Attorney Docket No.	P18069

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☒ Deposit Account Deposit Account Number 50-0221 Deposit Account Name: Intel Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.18 and 1.17☒ Credit any overpayments

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Each independent claim over 3 (including Reissues)

Multiple dependent claims

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_____ - 20 or HP = _____	x _____	=	0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ - 3 or HP = _____	x _____	=	0

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

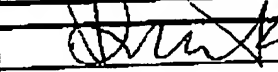
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(c)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____	=	0

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Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): \_\_\_\_\_

SUBMITTED BY	Registration No.	Telephone
Signature 	(Attorney/Agent) 50,804	916-377-2578
Name (Print/Type) David N. Tran		Date March 13, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney's Docket No.: P18069

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:  
Eric DiStefnao, et al.

Examiner: MCKINNON, TERRELL

Application No. 10/749,881

Art Unit: 3743

Filed: 12/31/2003

Title: Thermal Solution For Electronics  
Cooling Using a Heat Pipe in  
Combination With Active Loop Solution

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

In response to the office communication mailed on February 9, 2006, for the above-referenced patent application, it is respectfully requested that the application be amended as follows and that the following remarks be considered:

CERTIFICATE OF TRANSMISSION

## 37 C.F.R. § 1.8(a)

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and Trademark Office on

Date: March 13, 2006

Name: David N. Tran

Signature: 